

**Seabeach amaranth** (*Amaranthus pumilus*) – T (Date Listed: 7 April 1993)**Biological Conclusion: No Effect.**

Ocean beaches and other similar coastal fringe habitats are not present in the project study area. North Carolina Natural Heritage Program records do not document any occurrences of this species within three miles of the project study area. This project will not affect this species.

**Rough-leaved loosestrife** (*Lysimachia asperulaefolia*) – E (Date Listed: 12 June 1987)**Biological Conclusion: May Affect.**

Suitable habitat for rough-leaved loosestrife is present in the study area within areas identified as streamhead pocosin and powerline corridor, as well as portions of areas identified as rural/urban modification adjacent to the streamhead pocosin vegetative community. These plant communities occur throughout the study area, but suitable habitat is generally more prevalent in the southern portion of the study area where the soil mapping units are sandier and soils remain saturated for longer periods of the year providing habitat more consistent with sites known to support rough-leaved loosestrife. Surveys were conducted by ESI biologists during the period of June 24-30, 2010. Prior to the initiation of the field investigation, ESI biologists reviewed a reference population of rough-leaved loosestrife located within the Croatan National Forest to confirm the flowering status of this species (date of reference site review: June 24, 2010). The reference population was in the late stages of flowering and individuals in the reference population not in flower were readily identifiable from vegetative characteristics. Surveys were conducted by walking transects throughout areas of suitable habitat. No individuals of rough-leaved loosestrife were observed. A review of N.C. Natural Heritage Program (NCNHP) records, updated April 23, 2010, indicates no known occurrences within one mile of the study area. This biological conclusion will be provided to the U.S. Fish and Wildlife Service for concurrence.